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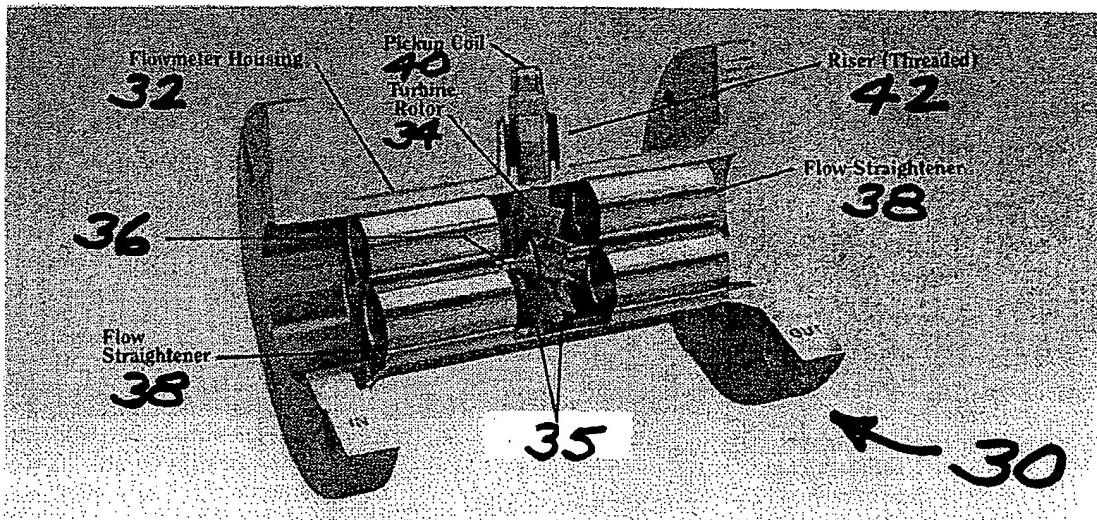


FIG. 1
(PRIOR ART)

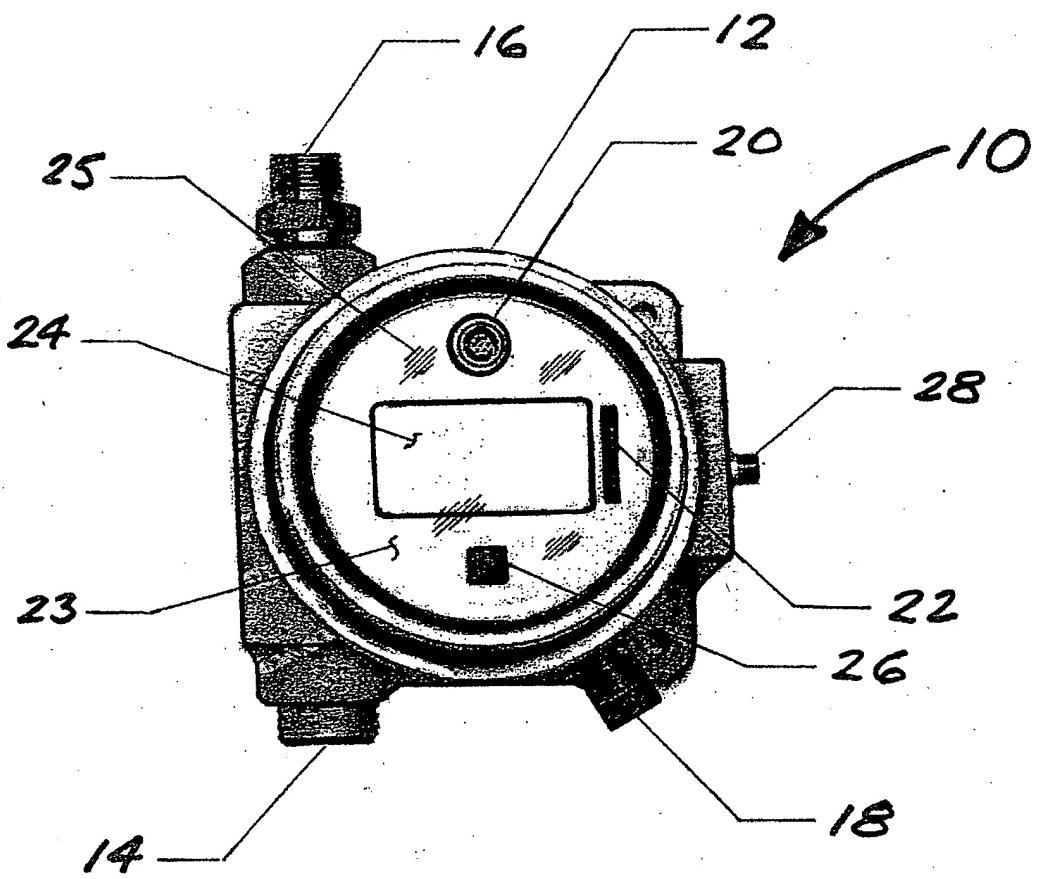


FIG. 2

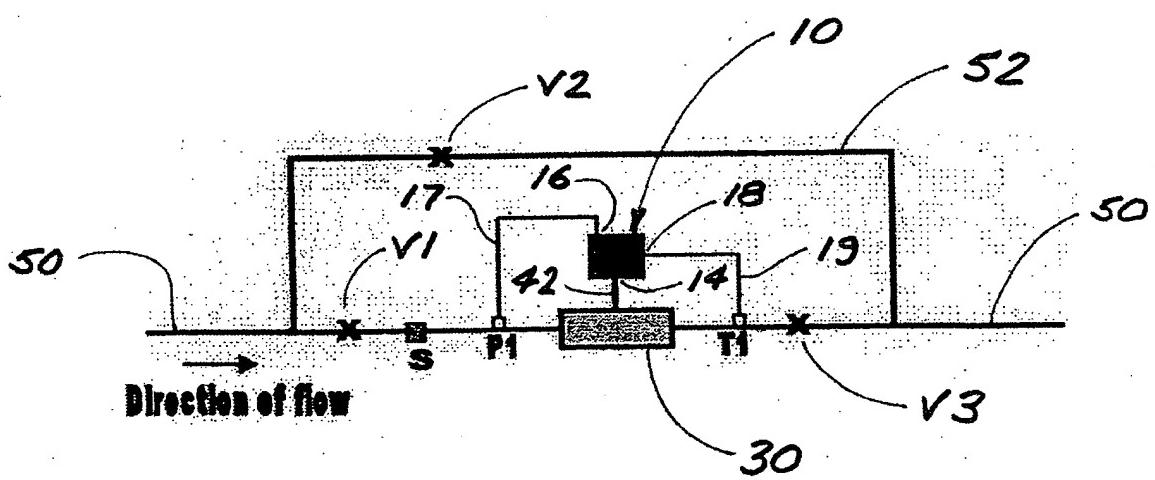


FIG. 3

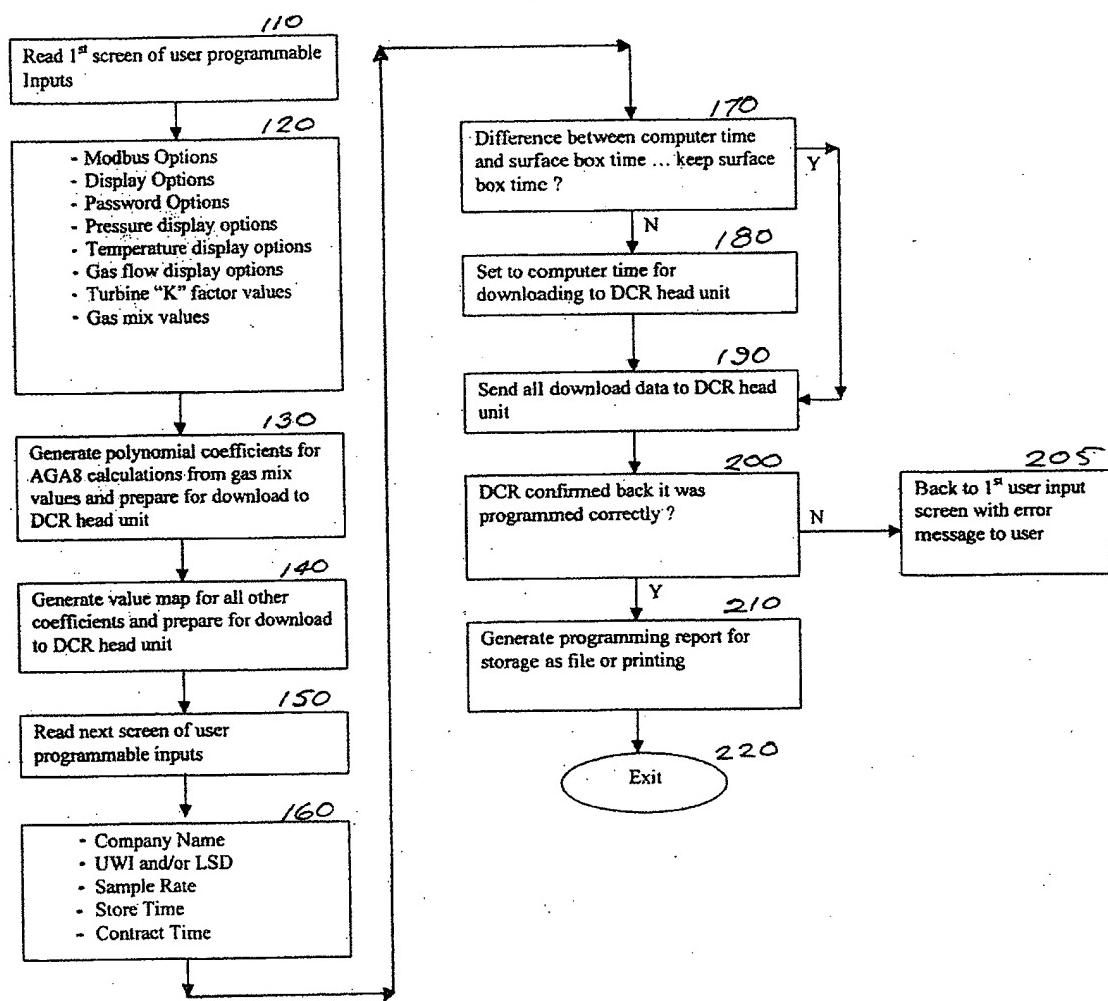
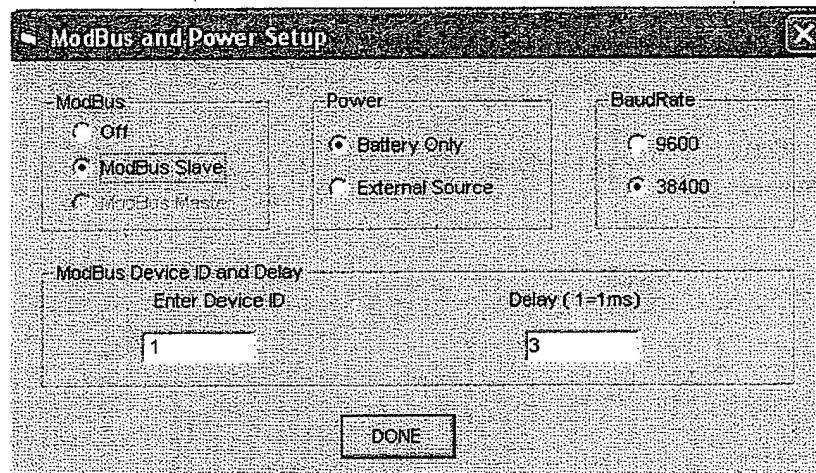
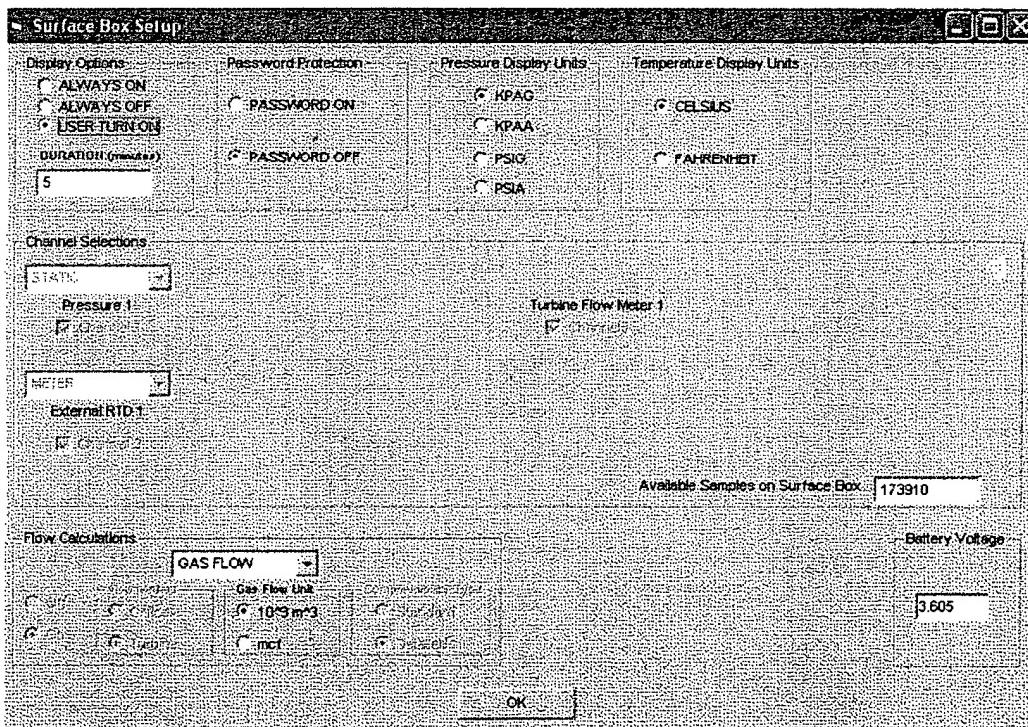
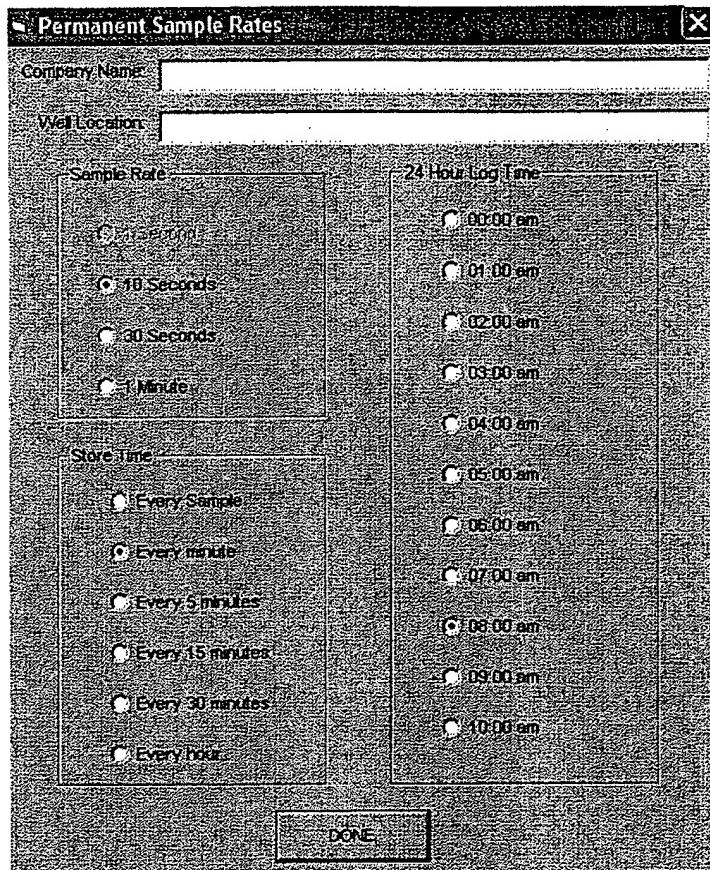
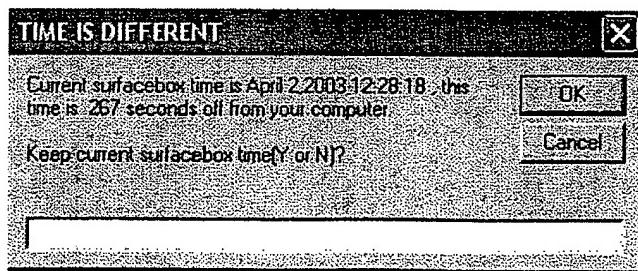


FIG. 4

FIG. 4AFIG. 4B

Gas Mix Analysis		GAS PARAMETERS	
Mole Fractions (%)			
Methane > 0.5 or < 1.0 (C1)	1	Atmospheric	13.488 psig
Nitrogen < 0.5 (N2)	0	AGA Base Condition	60 deg F/14.7 psia
Carbon dioxide < 0.1 (CO2)	0	TURBINE K-FACTOR	
Ethane < 0.2 (C2)	0	Turbine Serial Number	333
Propane < 0.05 (C3)	0	FREQUENCY (Hz)	K-FACTOR
Water < 0.0015 (H2O)	0	1	3000 500
Hydrogen sulfide < 0.0002 (H2S)	0	2	2675 500
Hydrogen < 0.10 (H2)	0	3	2350 500
Carbon monoxide < 0.03 (CO)	0	4	2025 500
Oxygen < 0.0002 (O2)	0	5	1700 500
iso-Butane (IC4)	0	6	1375 500
n-Butane (nC4)	0	7	1050 500
iso-Pentane (IC5)	0	8	725 500
n-Pentane (nC5)	0	9	400 500
n-Hexane < 0.001 (nC6)	0	10	75 500
n-Heptane < 0.0005 (nC7)	0	• 1 Factor • 10 Factors	
n-Octane (nC8)	0	OK	
n-Nonane (nC9)	0		
p-Decane (nC10)	0		
Helium < 0.005 (He)	0		
Argon < 0.0002 (Ar)	0		
Sum of fractions (%)		1	

FIG. 4C

FIG. 4DFIG. 4E

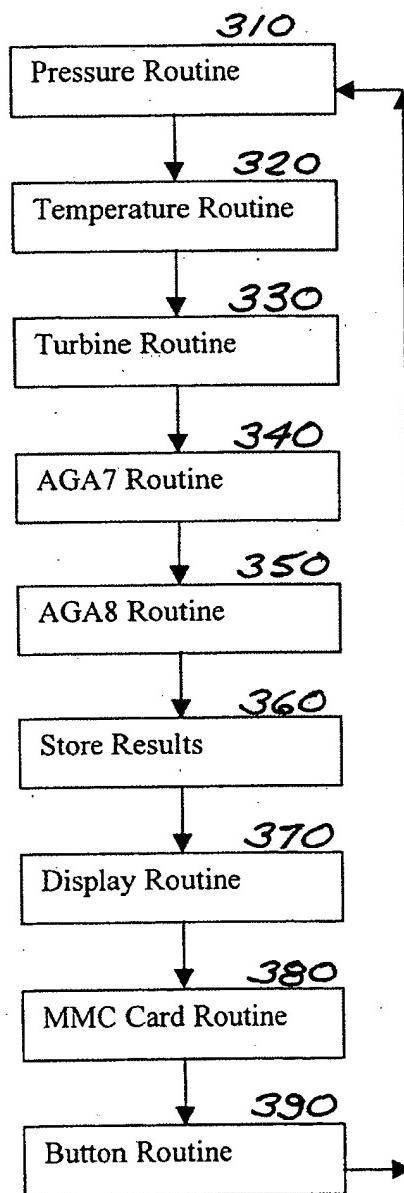
Main Operating Loop

FIG. 5

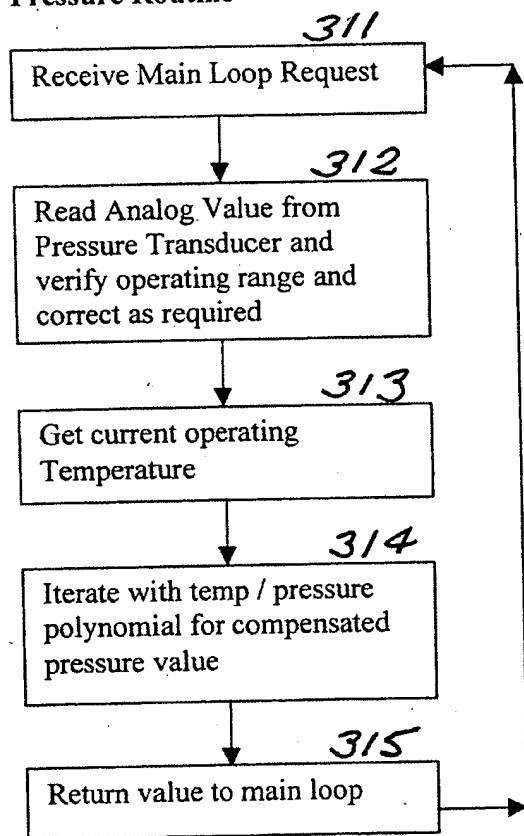
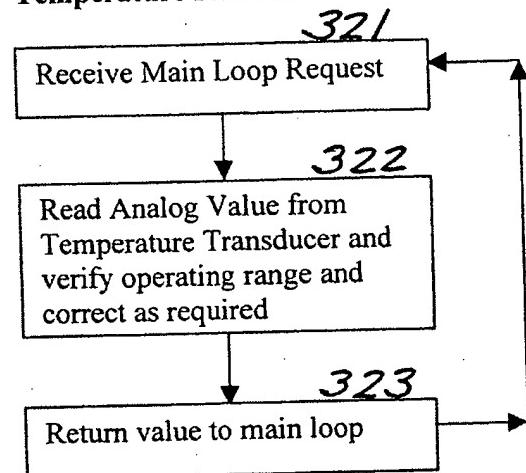
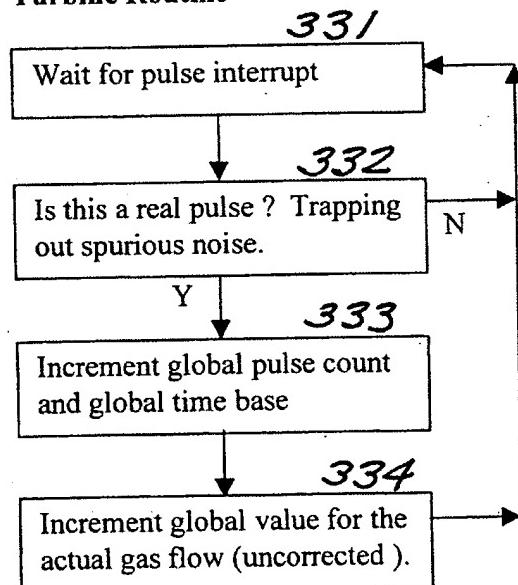
Pressure Routine

FIG. 5A

Temperature RoutineFIG. 5B**Turbine Routine**FIG. 5C

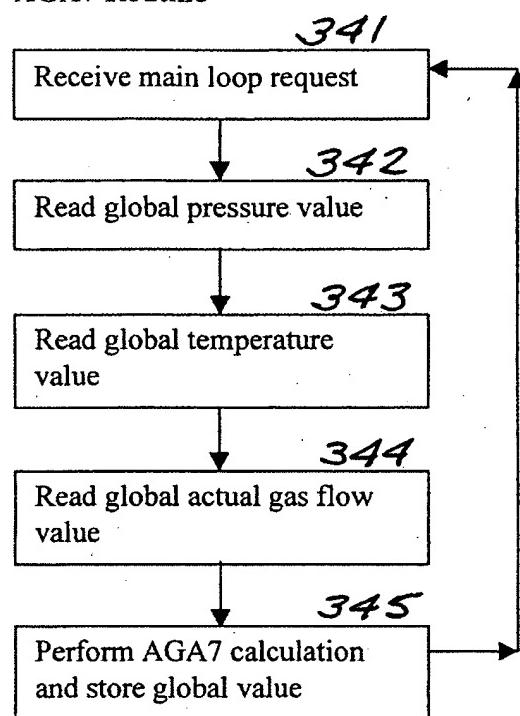
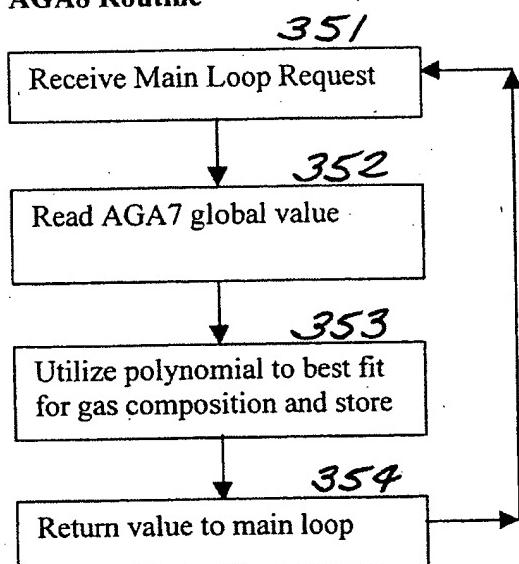
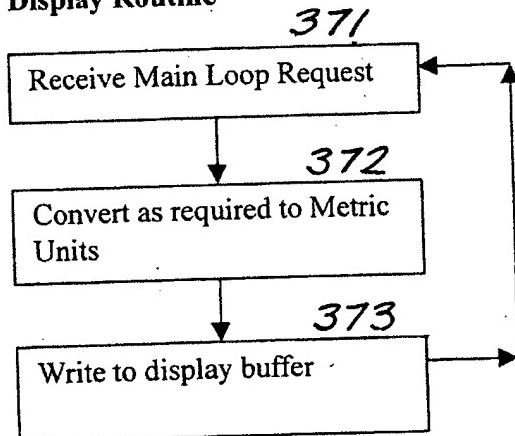
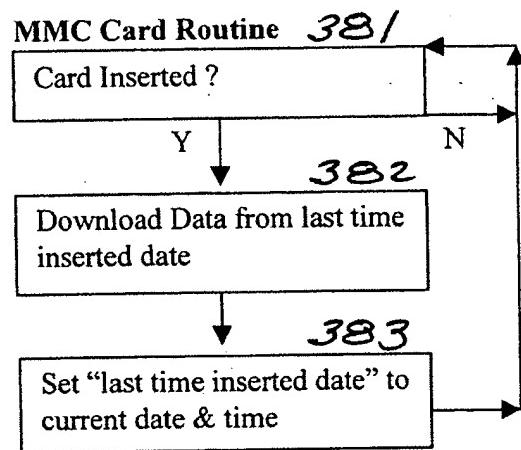
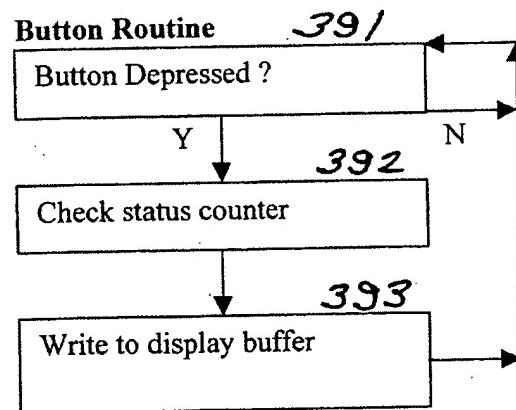
AGA7 Routine

Fig. 5D

AGA8 RoutineFIG. 5E**Display Routine**FIG. 5F

FIG. 5GFIG. 5H